

ABSTRACT OF THE DISCLOSURE

An aberration measuring apparatus has a converging lens L disposed on the light path of light beam to converge light beam traveling through a measurement target optical system PL on a predetermined surface IP, an aperture stop 5 AP disposed on the light path of light beam to transmit a part of the light beams, a converging position detection unit DET disposed on the predetermined surface to detect a positional deviation of a converging position P of a part of the light beams traveling through the aperture stop 10 on the predetermined surface IP, a moving unit M connected the aperture stop to move the aperture stop within the light beam, and an arithmetic processing unit connected the converging position detection unit to calculate an aberration of the measurement target optical 15 system PL on the basis of an output signal from the converging position detection unit DET.